

**PLYWOOD TECHNICAL DATA SHEET
(PERFORMANCE CHARACTERISTIC)
MALAYSIAN TROPICAL MEDIUM LIGHT HARDWOOD
MARINE II PLYWOOD TO BS1088:2003**

Thickness/mm (EN 324:1993)	Type	12mm / 7 plies			
	Min	11.24	Veneer Thickness (mm)	Face/ Back	0.75
	Max	12.56		Short Core	2.70/3.50
	Lay-up	- - - - -		Long Core	0.75

Dimensional Tolerance (EN 324: 1993)	
Length & Width	± 3.5mm
Squareness	± 1 mm/m
Straightness	± 1 mm/m

Bonding Quality/ durability	Bonding Class 3		
Bending Strength and Stiffness	F30/F40, E100/E100	Result	F = 58.807 / 68.568
			E = 10575.933/11291.833
Type of Glue	Phenol Formaldehyde HL-4645		
Release of formaldehyde	Class E1 (EN 13986:2004 +A1:2015 Annex B for Phenol formaldehyde adhesives)		
Density	≥ 500kg/m ³	Result	754.953 kg/m ³
Reaction to fire	D-s2, d0 (EN 13986:2004 +A1:2015 Tab. 8 for density ≥ 400kg/m ³ and thickness ≥ 9mm)		
Water vapour permeability	Interpolated from EN13986:2004 +A1:2015 Tab. 9 for density 500kg/m ³		
	wet cup	70	dry cup 200
Airborne sound insulation	Calculated per EN 13986:2004 +A1:2015 section 5.10 using formula:		
	$R = 13 \times lg (m_{\lambda}) + 14$		
Sound absorption coefficient	EN 13986:2004 +A1:2015 Tab. 10		
	250 - 500 Hz: 0.10	1000 - 2000 Hz: 0.30	
Thermal conductivity	Interpolated from EN13986:2004 +A1:2015 Tab. 11 for density 500kg/m ³		
	$\lambda = 0.13 \text{ W / (m.K)}$		
Content of pentachlorophenol	EN 13986:2004 +A1:2015 section 5.18		